SINT-ANNALAND
SINT-ANNALAND

RETAIN

S/S Sint-Annaland

—

Profile and

Deckplans.

Rotterdam Report

No 10156e

Wreck 173.
Sec 2.

RETAIN

LLOYD'S REGISTER OF SHIPPING
RECEIVED
23 SEP 1915
LONDON

LLOYDS REGISTER OF SHIPPING
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W449-0252

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Foundation

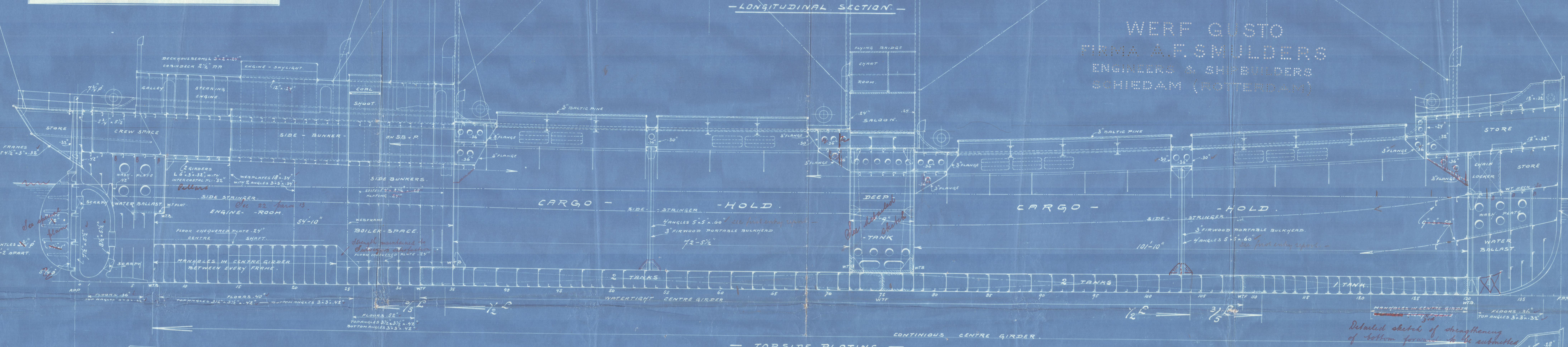
S.S. SINT-ANNALAND. No 497.

LONGITUDINAL- & DECK PLANS.

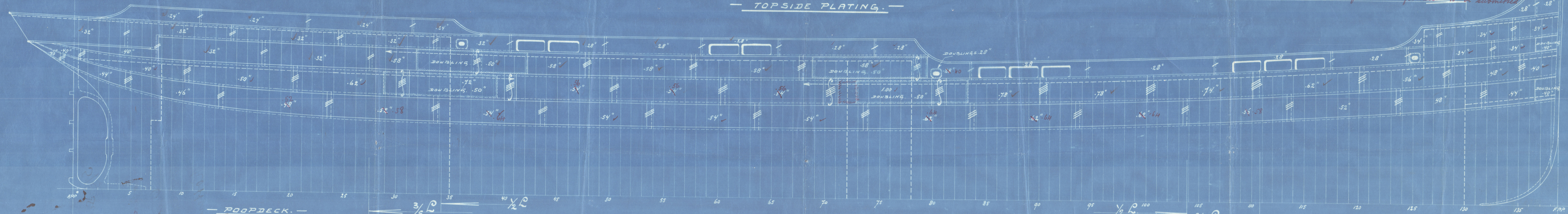
SCALE 1 TO 100.

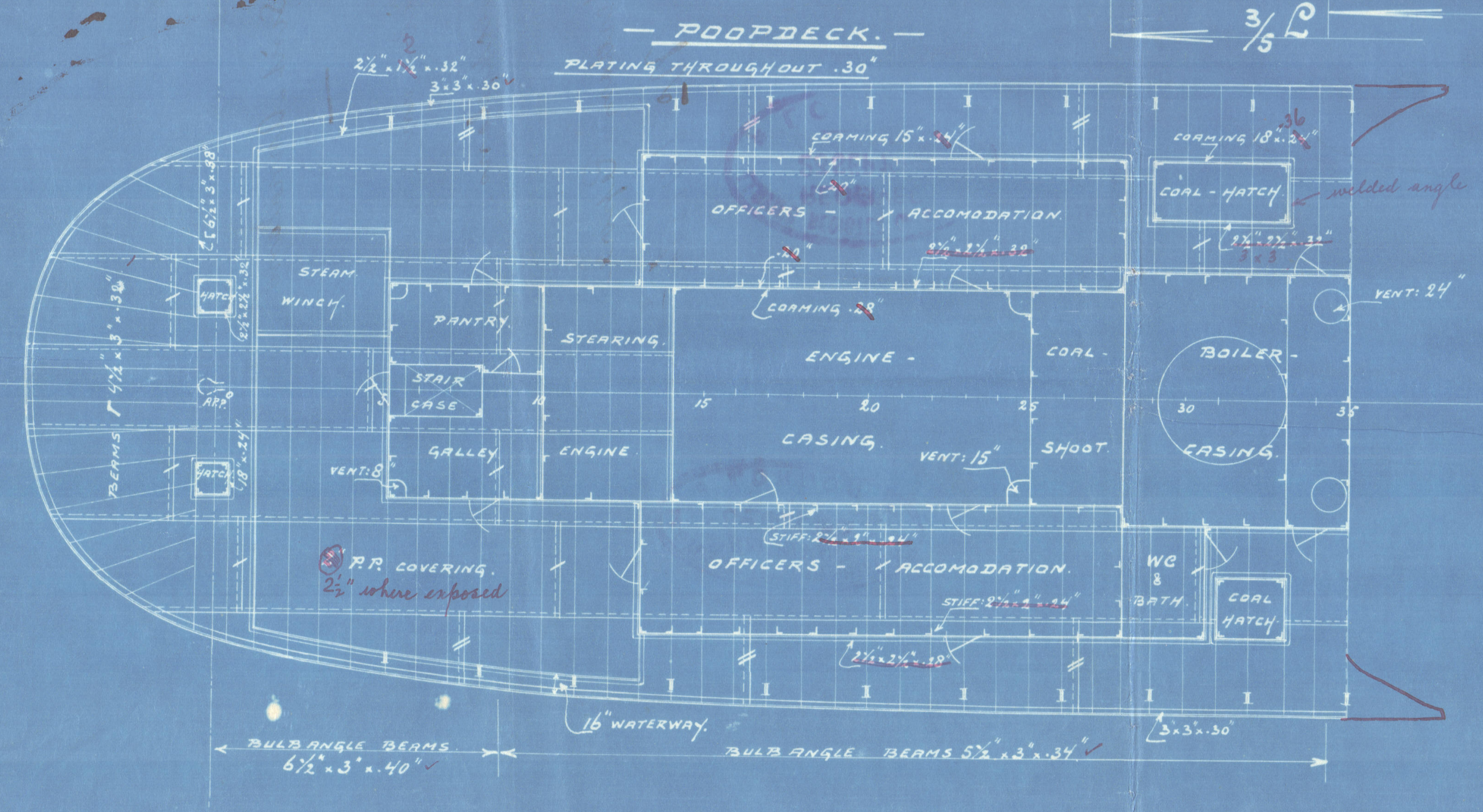
LLOYD'S ✠ 100A1 OF STEEL.

23.6.15
29.9.15


LONGITUDINAL SECTION
GALLEY
STEERING ENGINE
CREW SPACE
SIDE - BUNKER
COAL
SHOOT
ENGINE - ROOM
BOILER - SPACE
SIDE BUNKERS
WATER BALLAST
CARGO - HOLD
DEEP - TANK
FLYING BRIDGE
CHART ROOM
SALOON
STORE
WATER BALLAST
WATERTIGHT CENTRE GIRDER
2 TANKS
1 TANK
1/2 L
3/5 L
CONTINUOUS CENTRE GIRDER
Detailed sketch of strengthening of bottom forward to be submitted

WERF GUSTO
FIRMA A. F. SMULDERS
ENGINEERS & SHIPBUILDERS
SCHIEDAM (ROTTERDAM)


TOPSIDE PLATING
SHEERSTRAKE
3/5 L
1/2 L


POOPDECK
PLATING THROUGHOUT .30"
OFFICERS - ACCOMODATION
STEERING
ENGINE - CASING
PANTRY
GALLEY
ENGINE
STAIR CASE
COAL - HATCH
COAL SHOOT
BOILER - CASING
WC
BATH
COAL HATCH
16" WATERWAY
BULB ANGLE - BEAMS

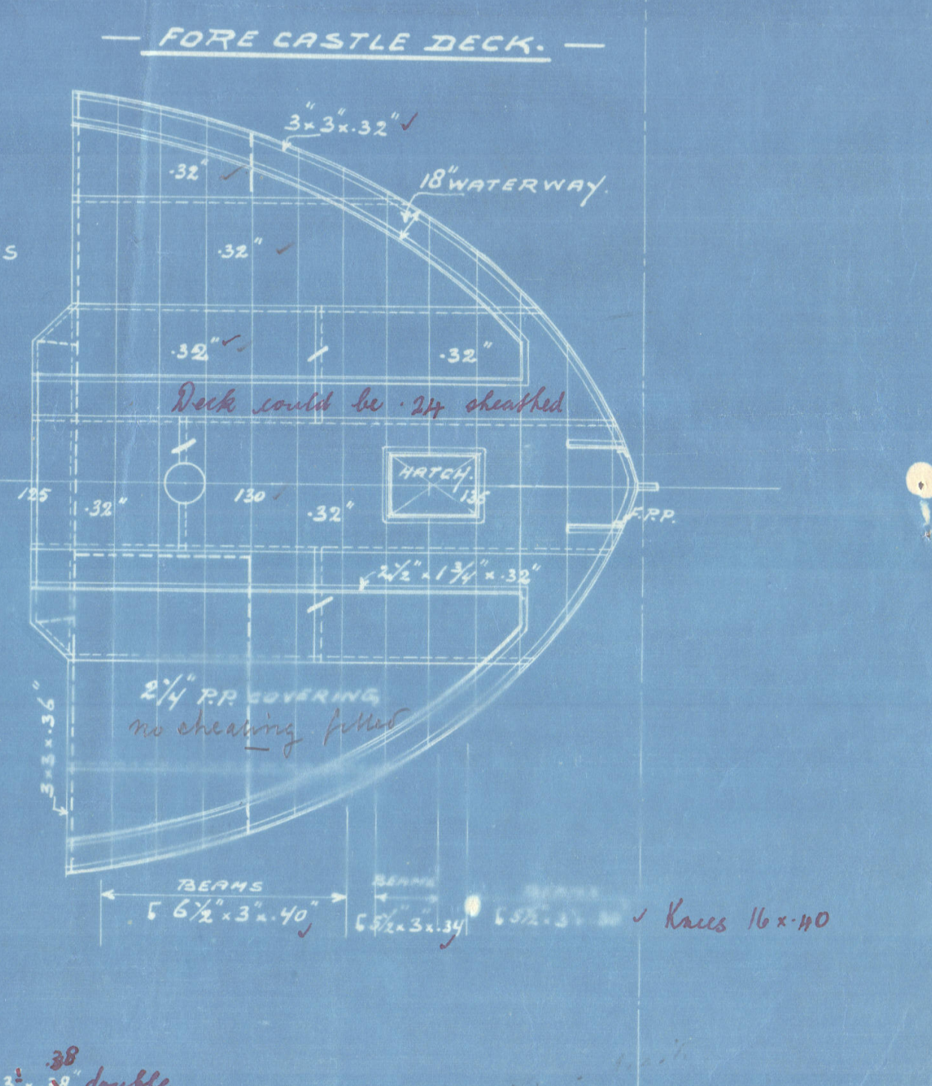
WERF GUSTO

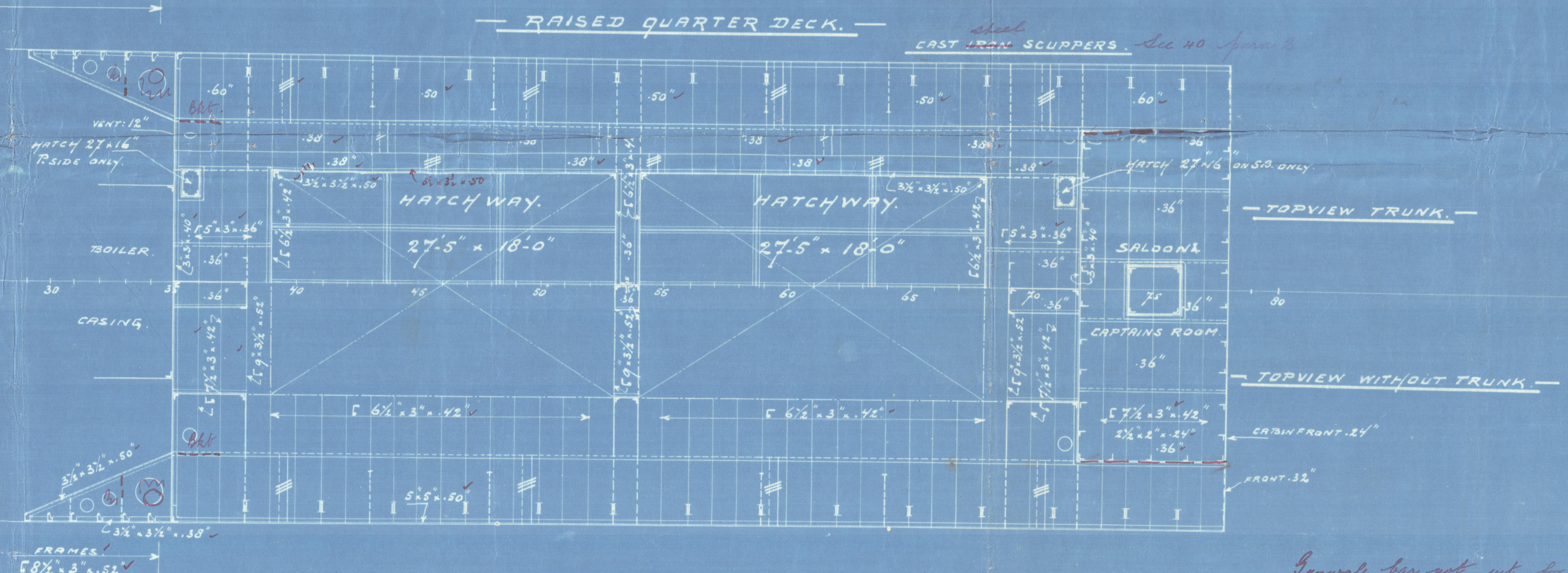
FIRMA A. F. SMULDERS

SCHIEDAM.

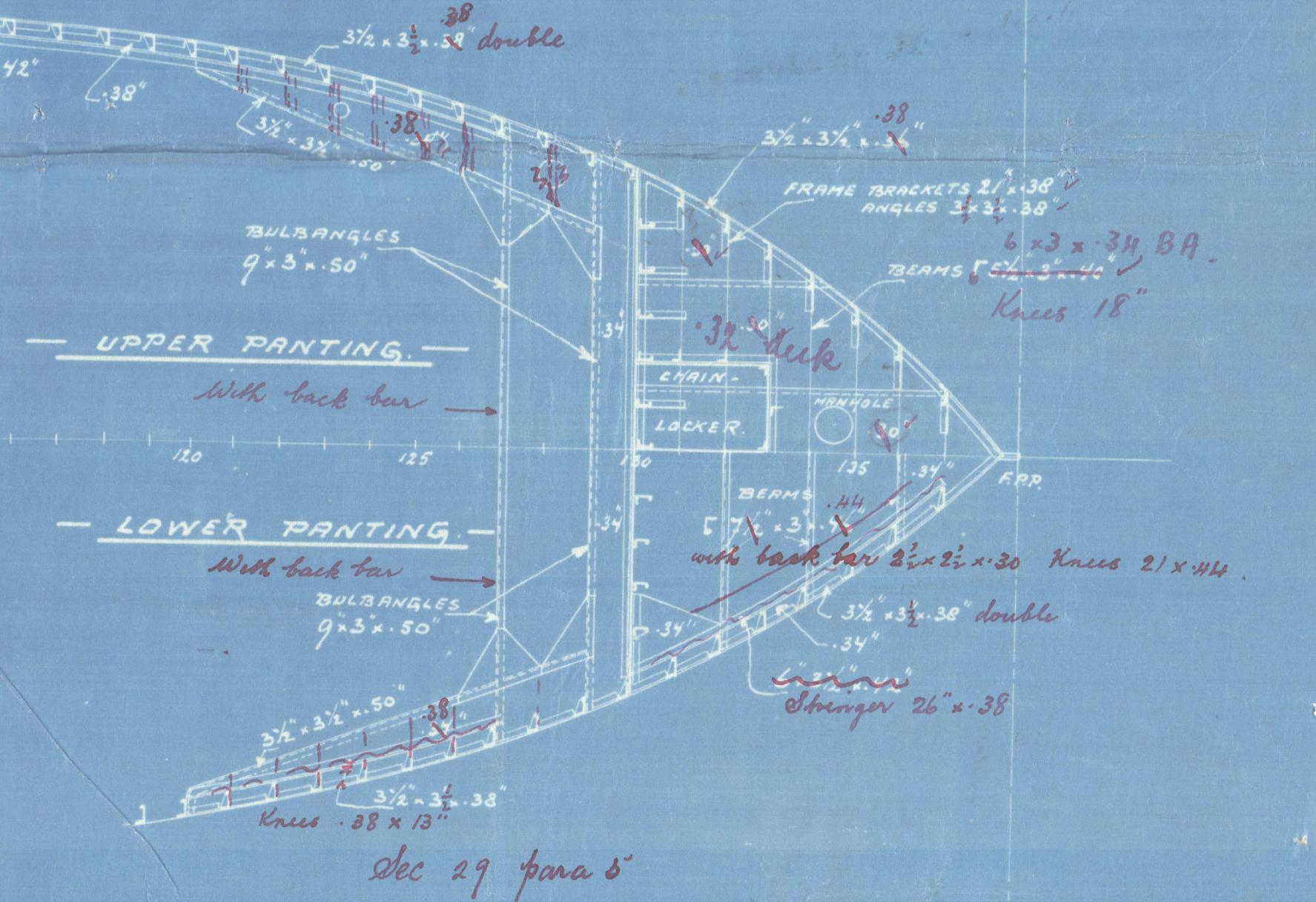
PRINCIPAL DIMENSIONS.

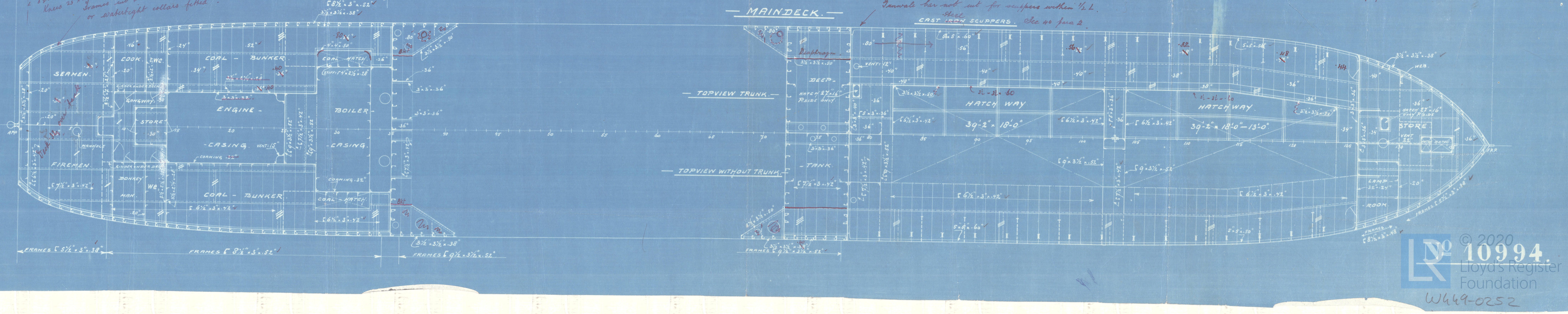
LENGTH BETWEEN P.P.	= 272'-0"	= 82,905 METRES
BREADTH OVER FRAMES	= 39'-10"	= 12,141 "
DEPTH MOULDED TO MAINDECK	= 20'-9"	= 6,325 "
HEIGHT OF RAISED QUATERDECK	= 4'-3"	= 1,295 "
HEIGHT OF POOPDECK	= 7'-3"	= 2,210 "
HEIGHT OF FORE CASTLE DECK	= 7'-0"	= 2,134 "
HEIGHT OF DOUBLE BOTTOM (3" ABOVE RULE)	= 3'-3"	= 0,991 "


FORE CASTLE DECK
WATERWAY
LAMP ROOM


RAISED QUARTER DECK
CAST STEEL SCUPPERS
HATCHWAY
27.5 x 18.0
HATCHWAY
27.5 x 18.0
BOILER CASING
SALOON
CAPTAINS ROOM
TOPVIEW TRUNK
TOPVIEW WITHOUT TRUNK

WERF GUSTO
FIRMA A.F. SMULDERS
ENGINEERS & SHIPBUILDERS
SCHIEDAM (ROTTERDAM)


UPPER PANTING
LOWER PANTING
LOCKER


MAINDECK
CAST IRON SCUPPERS
SEAMEN
COOK
COAL - BUNKER
ENGINE - CASING
BOILER - CASING
STORE
FIREMEN
COAL - BUNKER
DEEP - TANK
TOPVIEW TRUNK
TOPVIEW WITHOUT TRUNK
HATCH WAY
39.2 x 18.0
HATCHWAY
39.2 x 18.0 - 13.0
STORE
LAMP ROOM
FRAMES

No 10994.

W449-0252

4117 - Smulders

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22 NOV. 1915
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S/S "Sint-Annaland"

—

Midship Section

—

Rotterdam Report

No 10156^{a}

W449-0251

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Foundation

RETAIN

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S.S. SINT-ANNALAND.

Nº497 - MIDSHIPSECTION.

SCALE 1 TO 20.

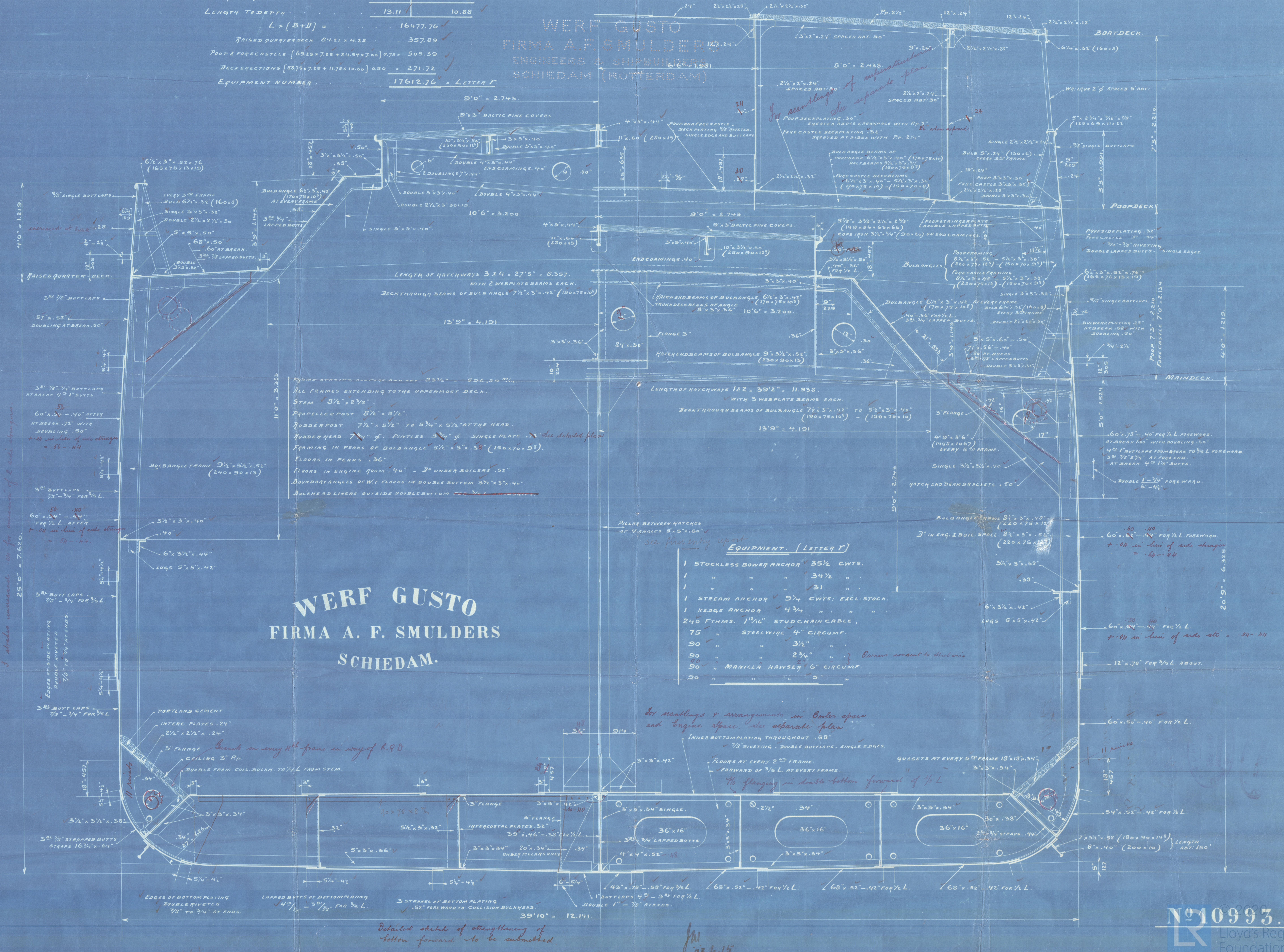
LLOYD'S ✠100A1 OF STEEL.

23.6.15
9.7.15
29.9.15

SCANTLINGS TO:	MAINDECK.	RAISED QUARTERDECK.
BREADTH	39.83 ✓	39.83
DEPTH	20.75 ✓	25.00
TRANSVERSE NUMBER	60.58 ✓	~~64.83~~
LENGTH 272.00		
LONGITUDINAL NUMBER	16477.76 ✓	~~17633.76~~
DEPTH MOULDED	20'9" ✓	25'0" ✓
HEIGTH OF DOUBLE BOTTOM	3'3" ✓	3'3" ✓
DEPTH OF HOLD	17'6" ✓	21'9" ✓
LENGTH TO DEPTH	13.11 ✓	10.88 ✓

L × [B+D] = 16477.76 ✓
RAISED QUARTERDECK 84.21 × 4.25 = 357.89 ✓
POOP & FORECASTLLE [69.25 × 7.25 + 24.54 × 7.00] 0.75 = 505.39 ✓
DECKERECTIONS [58.75 × 7.25 + 11.75 × 10.00] 0.50 = 271.72 ✓
EQUIPMENT NUMBER 17612.76 ✓ = LETTER Y.

LENGTH BETWEEN PERPENDICULARS	272'0"	82.905	METRES.
BREADTH ON FRAME	39'10"	12.141	"
DEPTH MOULDED TO MAINDECK	20'9"	6.325	"
HEIGHT OF RAISED QUATERDECK	4'3"	1.295	"
HEIGHT OF POOP	7'3"	2.210	"
HEIGHT OF FORECASTLE	7'0"	2.134	"
HEIGHT OF DOUBLE BOTTOM [3" ABOVE RULE]	3'3"	0.991	"


WERF GUSTO
FIRMA A. F. SMULDERS
ENGINEERS & SHIPBUILDERS
SCHIEDAM (ROTTERDAM)
BOATDECK
POOPDECK
MAINDECK
RAISED QUARTER DECK
9'0" = 2.743
9"×3" BALTIC PINE COVERS.
8'0" = 2.438
3"×2"×.24" SPACED ABT: 30"
2½"×2"×.24" SPACED ABT: 30"
P.P. 2½"
12"×.24"
9"×.24"
2½"×2½"×.28"
2½"×2½"×.32"
POOPDECKPLATING .30". SHEATED ABOVE CREWSPACE WITH P.P. 2"
2½" where exposed
FORECASTLE DECKPLATING .32" SHEATED AT SIDES WITH P.P. 2¼"
BULBANGLE BEAMS OF POOPDECK 6½"×3"×.40" (170×75×10) HALFBEAMS 5½"×3"×.34" (150×70×8)
FORECASTLE DECKBEAMS 6½"×3"×.40" – 5½"×3"×.30" (170×75×10) – (150×70×8)
BULB 5"×.24" (130×6) EVERY 3RD FRAME
15"×.24"
POOP 3"×3"×.30"
FORECASTLE 3"×3"×.32"
DOUBLE 3"×3"×.3
SINGLE 2½"×2
10'6" = 3.200
ENDCOMMINGS .40"
LENGTH OF HATCHWAYS 3 à 4 = 27'5" = 8.357, WITH 2 WEBPLATE BEAMS EACH.
DECKTHROUGH BEAMS OF BULBANGLE 7½"×3"×.42" (190×75×10)
13'9" = 4.191
HATCHEND BEAMS OF BULBANGLE 6½"×3"×.42" (170×75×10)
TRUNKDECKBEAMS OF ANGLE 5"×3"×.36"
HATCHENDBEAMS OF BULBANGLE 9"×3½"×.52" (230×90×13)
LENGTH OF HATCHWAYS 122 = 39'2" = 11.938 WITH 3 WEBPLATE BEAMS EACH.
DECKTHROUGH BEAMS OF BULBANGLE 7½"×3"×.42" TO 5½"×3"×.40" (190×75×10) – (150×70×10)
3"×3"×.36"
24"×.30"
10" 254
11'0" = 3.353
BULBANGLE FRAME 9½"×3½"×.52" (240×90×13)
BULBANGLE FRAME 8½"×3"×.42"
PILLARS BETWEEN HATCHES OF 4 ANGLES 5"×5"×.60" ✓
see first entry report
HATCH END BEAM BRACKETS .50"
6"×3½"×.42
LUGS 5"×5"×.42"
20'9" = 6.325
25'0" = 7.620
INNER BOTTOMPLATING THROUGHOUT .58"
FLOORS AT EVERY 2ND FRAME FORWARD OF 3/5 L AT EVERY FRAME
No flanging in double bottom forward of ½ L
GUSSETS AT EVERY 5TH FRAME 18"×18"×.34"
PORTLAND CEMENT
INTERC. PLATES .24"
CEILING 3" P.P.
Bracket on every 11th frame in way of R.Q.D.
36"×16"
3"×3"×.34"
5"×3"×.36"
3"×3"×34"
20"×.34" UNDER PILLARS ONLY
39"×.46" – .38" FOR ½ L.
3BL – ¾" LAPPED BUTTS.
4"×4"×.52" – .48
6" – 5¼"
5¼" – 4½"
43"×.78" – .58" FOR 3/5 L.
68"×.52" – .42" FOR ½ L.
1" BUTTLAPS 4PL – 3BL FOR ½ L.
DOUBLE 1" – 7/8" AT ENDS.
3 STRAKES OF BOTTOM PLATING .52" FOREWARD TO COLLISION BULKHEAD.
EDGES OF BOTTOM PLATING DOUBLE RIVETED 7/8" TO ¾" AT ENDS.
LAPPED BUTTS OF BOTTOMPLATING
39'10" = 12.141.

For scantlings of superstructures See separate plan

FRAME SPACING, ALL FORE AND AFT 23½" = 596,89 M/M.
ALL FRAMES EXTENDING TO THE UPPERMOST DECK.
STEM 8½" × 2⅜".
PROPELLER POST 8½" × 5½".
RUDDERPOST 7½" × 5½" TO 5¾" × 5½" AT THE HEAD.
RUDDER HEAD ~~7¼"~~ ∅. PINTLES ~~3¾"~~ ∅ SINGLE PLATE ~~.72"~~ See detailed plan
FRAMING IN PEAKS OF BULBANGLE 5½" × 3" × .38" (150 × 70 × 9).
FLOORS IN PEAKS .36"
FLOORS IN ENGINE ROOM .40" – Dº UNDER BOILERS .52"
BOUNDARY ANGLES OF W.T. FLOORS IN DOUBLE BOTTOM 3½" × 3" × .40".
BULKHEAD LINERS OUTSIDE DOUBLE BOTTOM ~~FOR 3/5 L AMIDSHIPS.~~

EQUIPMENT. [LETTER Y.]

1	STOCKLESS BOWER ANCHOR	35½	CWTS.
1	" " "	34½	"
1	" " "	31	"
1	STREAM ANCHOR	9¼	CWTS: EXCL: STOCK.
1	KEDGE ANCHOR	4¾	" " "
240	FTHMS. 1 12/16" STUDCHAIN CABLE.		
75	" STEELWIRE	4"	CIRCUMF.
90	" "	3½"	"
90	" "	2¾"	"
90	" "	2"	"
90	" MANILLA HAWSER	6"	CIRCUMF.
90	" " "	5"	"

Owners consent to Steel wire

For scantlings & arrangements in Boiler space and Engine Space. See separate plan.

WERF GUSTO
FIRMA A. F. SMULDERS
SCHIEDAM.

Detailed sketch of strengthening of bottom forward to be submitted.

JW
23.6.15

Nº10993.

s/s "Sint Annaland"

Rot. Rep. No 1056 b/

Yard. 497/498

4 enter.

Amended boiler plan.
from Smulders
Schiedam
"Werf Gusto"
Plan. 11001A

Scheepsr. Steenholm
Wy.

RETA

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W449-0253

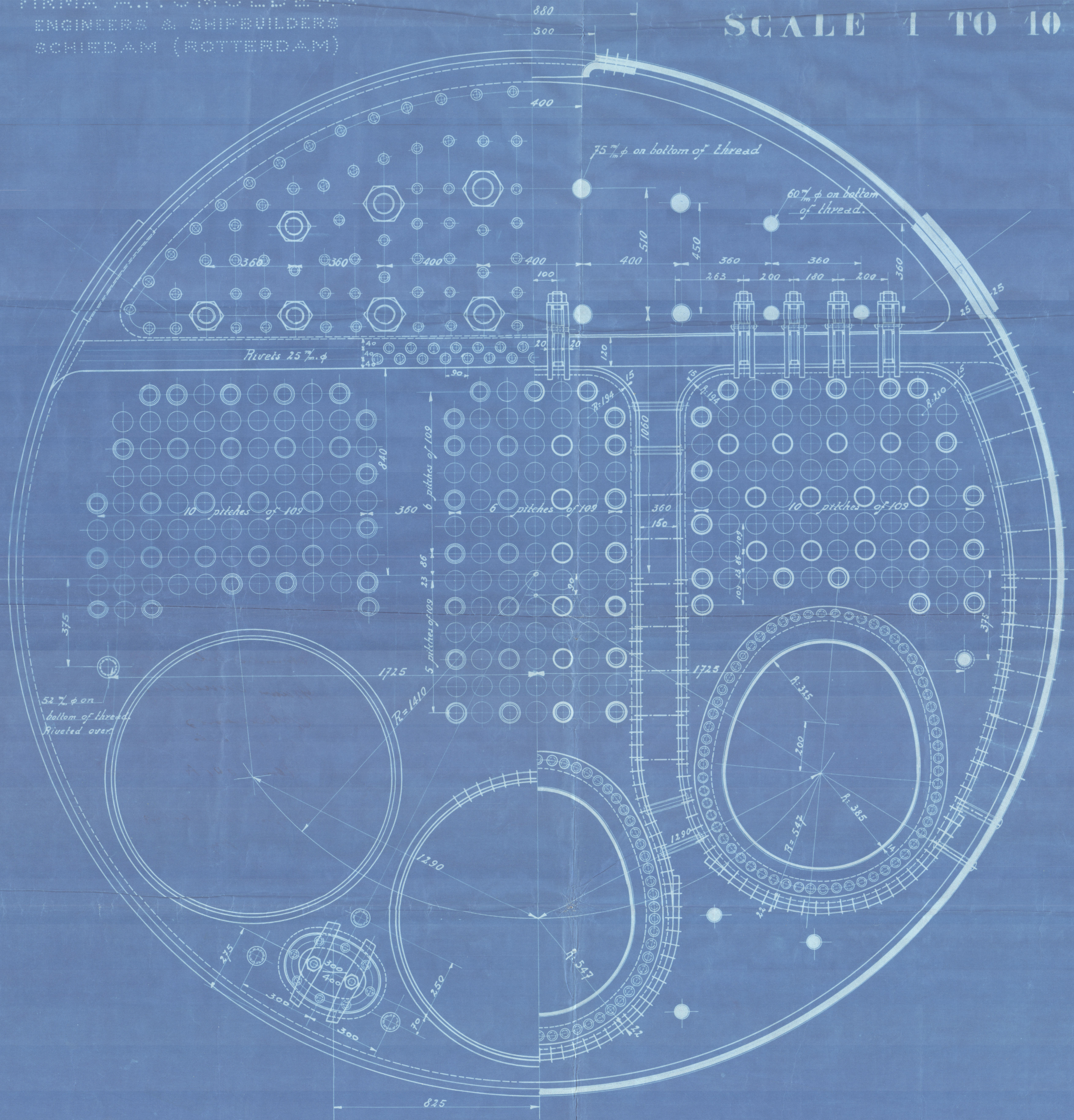
21/8/15

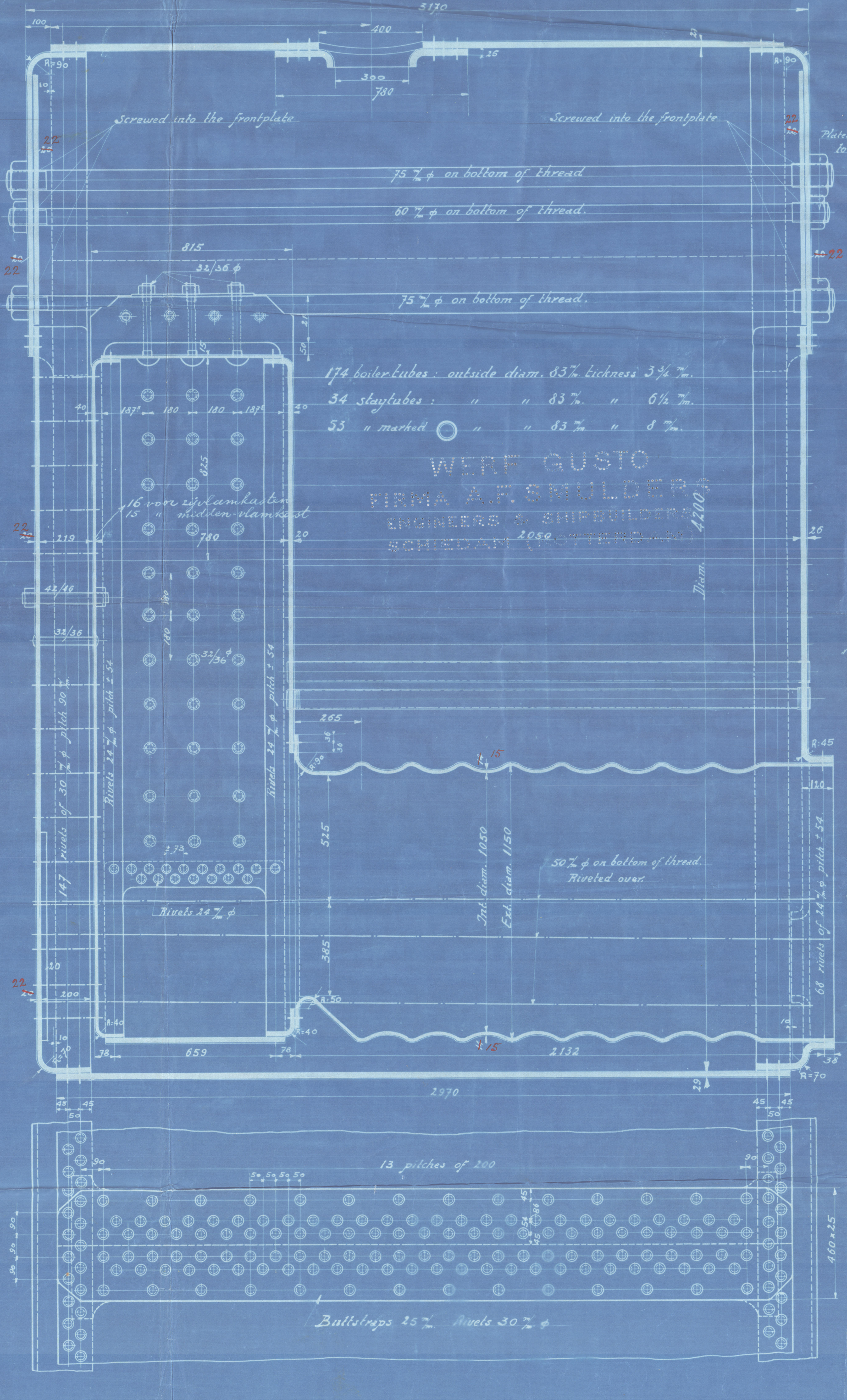
MARINE BOILER. HEATING SURFACE 1808 SQ: FT WORKING PRESSURE 180 LBS

WERF GUSTO
FIRMA A.F. SMULDERS
ENGINEERS & SHIPBUILDERS
SCHIEDAM (ROTTERDAM)

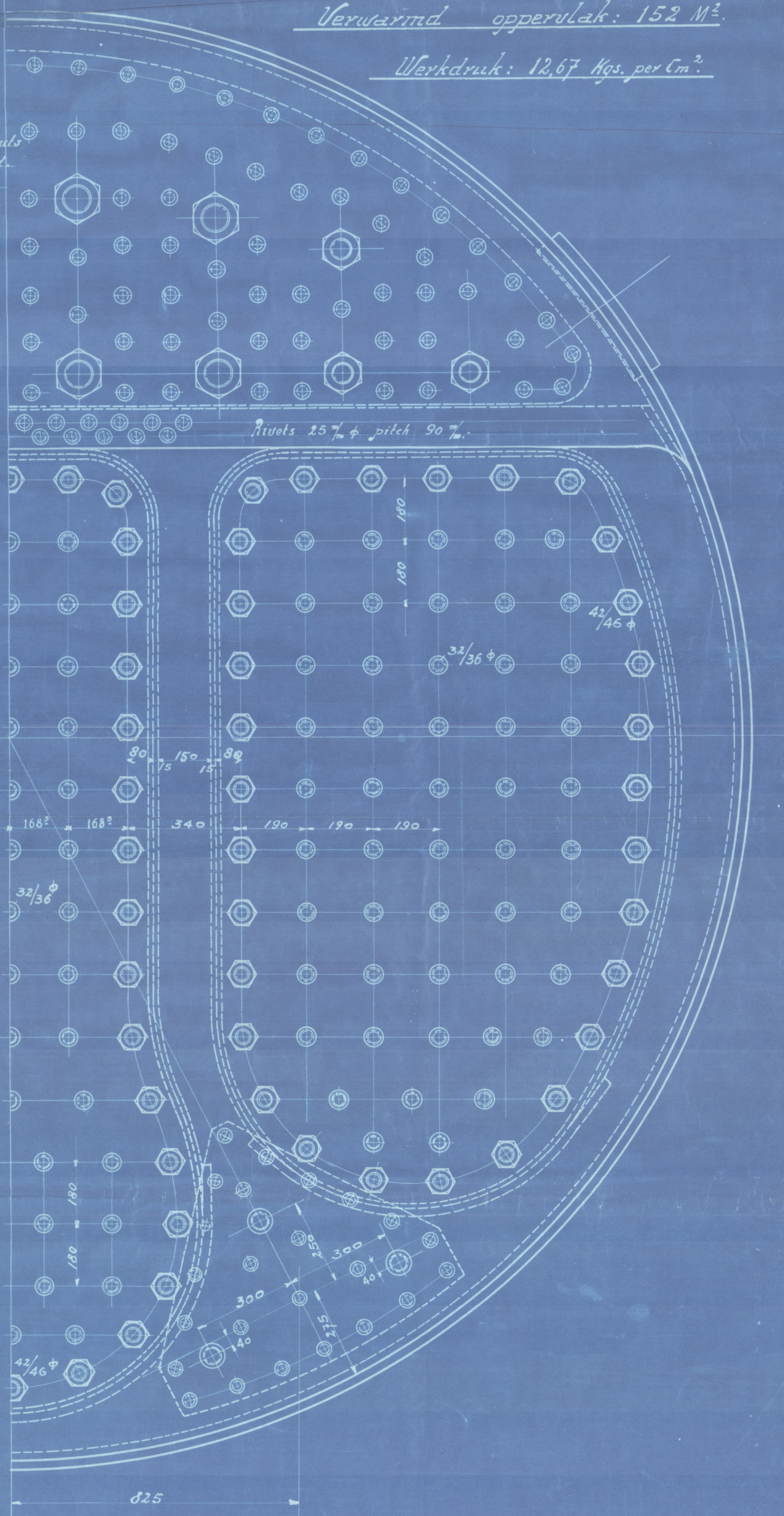
SCALE 1 TO 10

Verwarmend oppervlak: 168 M²
Verwarmd oppervlak: 152 M²
Werkdruk: 12,67 Kgs. per Cm².


75 m/m φ on bottom of thread
60 m/m φ on bottom of thread
Rivets 25 m/m φ
10 pitches of 109
6 pitches of 109
52 m/m φ on bottom of thread. Riveted over
1725
1290
825


5170
Screwed into the frontplate
Screwed into the frontplate
Plates under nuts to be faced.
75 m/m φ on bottom of thread.
60 m/m φ on bottom of thread.
75 m/m φ on bottom of thread.
815
Rivets 24 m/m φ
50 m/m φ on bottom of thread. Riveted over.
Int. diam. 1050
Ext. diam. 1150
Diam. 4200
659
2132
2970
13 pitches of 200
Buttstraps 26 m/m Rivets 30 m/m φ

174 boiler tubes: outside diam. 83 m/m. tickness 3¾ m/m.
34 staytubes: " " 83 m/m. " 6½ m/m.
53 " marked ◎ " " 83 m/m " 8 m/m.


Rivets 25 m/m φ pitch 90 m/m
42/46 φ
32/36 φ
825

Shell ~~and~~ ~~Front~~plates tobe of Siemens-Martin mild steel,
tensile strength of 28 to 32 tons per sq: inch with a respective elongation of 20 %
All stays ~~the rest of the~~ material [illegible] steel of a tensile strength of 26 to 30 tons, inch with a resp. elong. of 23 %
The rest of the plates to be of Siemens-Martin mild steel; tensile strength 23 to 26 tons with a respective elongation of 26 to 23 %

Screw stays 42/46 φ with nuts
Screw stays 32/36 φ riveted over.

21. 8. 15

11001 A

IX 838

W449-0253

Y. 497. 498.

Plan of Shafting

Messrs. Smulders.

Schieland & St. Ameland.

Rot. Rep N 10156$^{\underline{b}}$

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28/9/15

SS 497/98

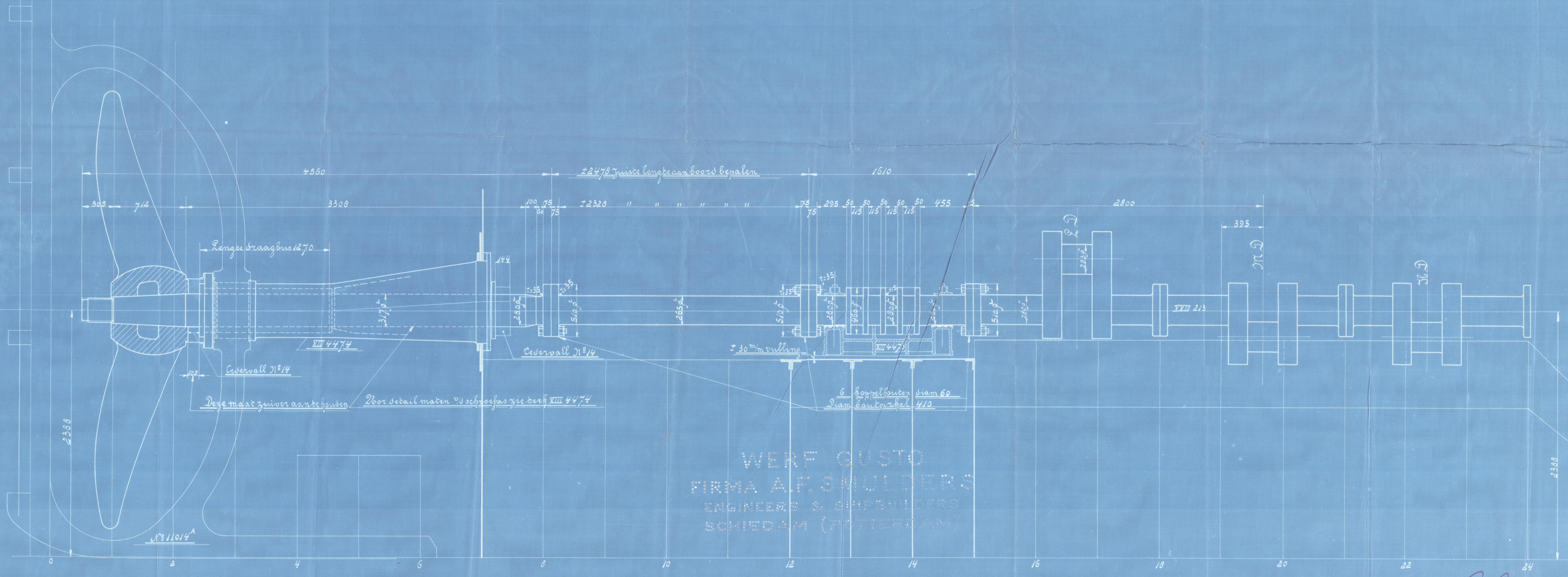
SCHROEFASLEIDING

SCHAAL 1 À 20

WERF GUSTO
FIRMA A. F. SMULDERS
SCHIEDAM

Triple Exp: machine
Diam H D cil = 510
" M D " = 815
" L D " = 1320
Zuigerslag = 990
Stoomdruk = 12,67 KG per cm²
Diam schroef = 4340

De maten zijn in millimeters.


4560
±2478 Juiste lengte aan boord bepalen
1610
305
712
3308
100
60
75
75
±2328 " " " " " "
75
75
295
50
115
50
115
50
115
50
115
50
455
5
2800
395
Lengte draagbus 1270
144
r=35
r=35
r=35
r=35
r=5
280 ∅
510 ∅
317 ∅
265 ∅
510 ∅
280 ∅
460 ∅
280 ∅
510 ∅
510 ∅
280 ∅
295 ∅
XIII 4474
XIII 4474
XXIII 213
LD
MD
HD
Cedervall Nº 14
Cedervall Nº 14
105
± 30 m/m vulling
Deze maat zuiver aan te houden
Voor detail maten v/s schroefas zie teek XIII 4474
6 koppelbouten diam 60
Diam boutcirkel 410
2388
2388
Nº 11014A
0
2
4
6
8
10
12
14
16
18
20
22
24
26

WERF GUSTO
FIRMA A.F. SMULDERS
ENGINEERS & SHIPBUILDERS
SCHIEDAM (ROTTERDAM)

SJM

Emd.
28.9.15

11056
XIII 4472